



SYNOPSIS OF INTERNATIONAL PLUMBING CODE & FUEL GAS CODE CHANGES

NOTE: The City of Midland has adopted the 2009 International Plumbing Code and International Fuel Gas Code and they become effective September 1, 2010. All projects submitted for a permit after September 1st shall meet the requirements of the adopted 2009 codes with the City of Midland Amendments.

SYNOPSIS OF INTERNATIONAL PLUMBING CODE CHANGES

1. New Section 310.5 - Urinal Partitions (Privacy): A new section has been added to ensure privacy for occupants at a urinal. (2006)*
2. New Section 403.1 - Number of Occupants of Each Sex and Fixture Calculations: The ratio of 50 % occupant load per sex can be altered by submittal of approved statistical data that indicates a different distribution of the sexes. Also the new language makes clear that fractional fixture unit requirements are to be "rounded" up. (2009)*
3. Modification to Table 403.1 - Minimum Number of Required Plumbing Fixtures, Use Group I-4 (Adult Day Care and Child Care): Eliminated requirements for separate employee restroom. (2006)*
4. Modification to Table 403.1 - Minimum Number of Required Plumbing Fixtures: Use Group I-4 (Adult Day Care and Child Care) are now required to have a bathtub or shower for bathing. (2009)*
5. Modifications to Sections 403.2, 403.4, 403.4.1 and 403.4.2 - Separate Facilities, Public Facilities, Locations of Toilet Facilities in Occupancies other than Covered Malls, and Location of Toilet Facilities in Covered Malls: Provide greater clarifications for public and employee restrooms and locations of those restrooms within facilities. Also simplifies the provision for combined employee and public restrooms. (2006)*
6. New Section 403.4.1 - Directional Signage: Direction signage indicating the route to the nearest public facility is now required. The signage shall be posted and located in a major corridor or aisle near the entrance(s)* to the building. (2009)*

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7. New Section 417.4.2 - Access (to showers): The shower compartment access and egress opening shall have a minimum clear and unobstructed finished width of 22 inches. (2006)*
8. Modification to Section 419.2 - Substitution for Water Closets (Urinals): Clarifies that in educational and assembly use groups urinals may be substituted for up to 67% of the required male water closets. All other use groups may substitute up to 50% of the required male water closets. (2006)*
9. Clarification of Sections 421.2 and 421.5 - Installation and Access to Pump (Whirlpool Tubs): Greater detail is added to ensure access to tub pump assemblies. Opening size criteria and reference to manufacturer's installation instructions is included. (2006)*
10. New Section 424.5 - Bathtub and Whirlpool Bathtub Valves: Bathtub and whirlpool bathtubs are now required to have temperature protection provided by an ASSE 1070 device. (2006)*
11. Modification of 608.8 - Identification of Potable and Nonpotable Water: Lines that convey nonpotable water shall be identified by the color "purple". (2009)*
12. New Section 608.16.10 - Coffee Machines and Noncarbonated Beverage Dispensers: Backflow prevention is required for coffee machines and noncarbonated beverage dispensers by an ASSE 1022 backflow preventer or an air gap. (2006)*
13. New Section 706.4 - Heel or Side-Inlet Quarter Bends: Use criteria allowing the installation of heel-inlet and side-inlet quarter bends. (Current City of Midland code restricts these types of bends) (2006)*
14. New Section 802.1.8 - Food Utensils, Dishes, and Pots and Pans Sinks: Sinks used for the washing, rinsing, or sanitizing of utensils, dishes, pots, pans or service ware used with food shall discharge indirectly through an air gap, an air break or directly connect to the drainage system. (2009)*

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15. Modifications to Sections 903.3 and 917.1 through 917.4 - Vent Termination and Air Admittance Valves: Section 903.3 is expanded to include stack type air admittance valves and the sections in 917 clarify criteria for stack and branch type air admittance valves. (2006)*
16. Modification to Section 906.1 - Distance of Trap from Vent (Water Closet from Vent): The distance from a water closet to its required vent no longer has a limit. (2006)*
17. Modifications to Table 906.1 and Section 906.2 - Maximum Distance of Fixture Trap from Vent and Venting of Fixture Drains: Revisions based on engineering principals have been provided. (2006)*

SYNOPSIS OF INTERNATIONAL FUEL GAS CODE CHANGES

1. Modification to Section 303.4 - Protection from Vehicle Impact Damage: Appliances must be specifically protected from vehicle impact damage and that means to provide protection is not limited to physical barriers. (2006)*
2. New Section 307.5 - Auxiliary Drain Pan: An auxiliary drain pan is required on Category IV condensing appliances (Direct Vent Type). An automatic appliance shut-down is allowed in lieu of a drain pan. (2006)*
3. Modification to Section 404.1 - Prohibited Locations for Gas Piping: Gas piping serving a townhouse is not allowed to pass through another townhouse. (2006)*
4. Modification to Section 404.4 - Underground Penetration Prohibited: The IFGC no longer permits fuel gas piping to penetrate the foundation walls when the piping is installed below grade. (2009)*

Note: (2006)* or (2009)* identifies the code year that the item was added or modified. The items above are a partial list of the changes to the Code. There were many additional changes that were not listed that could impact a project and should be reviewed prior to submitting for a Permit.